

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-21 (withdrawn)

Claim 22 (currently amended): A monolayer film comprising:

a non-diene containing polymer blend of a first component of a polymeric material capable of being cross-linked and selected from the group consisting of an ethylene containing polymer, the first component present in an amount by weight of the film from about 50% to about 95%, the first component having a first melting point temperature determined by DSC, a second component not readily cross-linkable and selected from the group consisting of propylene containing polymers and methyl pentene containing polymers, the second component being present in an amount by weight of the film from about 50% to about 5%, the second component having a second melting point temperature determined by DSC; and a portion of the first component being cross-linked and the second component is essentially free of cross-linking wherein the film has a surface roughness average of about 7 to about 30.

Claim 23 (original): The film of claim 22, wherein the second melting point temperature is higher than the first melting point temperature.

Claim 24 (original): The film of claim 22 is capable of forming a peel seal to itself when heated to above the first melting point temperature but below the second melting point temperature.

Claim 25 (original): The film of claim 24 is capable of forming a permanent seal to itself when heated above the second melting point temperature.

Claim 26 (original): The film of claim 22 is capable of being sterilized by steam at a temperature from about 100°C to about 130°C.

Claim 27 (original): The film of claim 23, wherein a peel seal heat sealing window is defined between a range of temperatures existing between the first melting point temperature and the second melting point temperature.

Claim 28 (original): The film of claim 27, wherein the peel seal heat sealing window includes at least one temperature point within a range of temperatures suitable for steam sterilization.

Claim 29 (original): The film of claim 27, wherein the peel seal heat sealing window includes at least one temperature point within the range of from about 75°C to about 135°C.

Claim 30 (original): The film of claim 22 is capable of forming a peel seal with itself that is capable of adhesive release.

Claim 31 (original): The film of claim 22, wherein the ethylene containing polymer is selected from the group consisting of: ethylene homopolymers, and ethylene copolymers.

Claim 32 (original): The film of claim 31, wherein the ethylene copolymer is obtained by reacting ethylene with a comonomer selected from the group consisting of:  $\alpha$ -olefins, vinyl esters, vinyl carboxylic acids, alkyl substituted vinyl esters, alkyl substituted vinyl carboxylic acids, acrylic acids, ester derivatives of acrylic acids, alkyl substituted acrylic acids, ester derivatives of alkyl substituted acrylic acids and ion stabilized alkyl substituted acrylic acids.

Claim 33 (original): The film of claim 32, wherein the ethylene and  $\alpha$ -olefin copolymer has a density of less than about 0.915 g/cc.

Claim 34 (currently amended): The film of claim 33, wherein the ethylene copolymer is ~~obtained using a single-site catalyst~~ a single-site catalyzed ethylene copolymer.

Claim 35 (original): The film of claim 22, wherein the propylene-containing polymer is selected from the group consisting of propylene homopolymers and propylene copolymers.

Claim 36 (withdrawn)

Claim 37 (original): The film of claim 35, wherein the propylene containing polymer has a modulus of elasticity of less than about 200,000 psi.

Claim 38 (original): The film of claim 22, wherein the first component is a blend of ethylene containing polymers.

Claim 39 (currently amended): The film of claim 22, wherein the second component is ~~a blend~~ selected from the group consisting of at least one propylene-containing polymer, at least one methyl-pentene-containing polymer, and at least one propylene-containing polymer, and at least one methyl-pentene-containing polymer, and combinations thereof.

Claims 40-144 (withdrawn)

Claim 145 (currently amended): A monolayer film comprising ~~consisting essentially of~~:

a polymer blend composed solely of a first component and a second component, the first component ~~of a polymeric material~~ capable of being cross-linked and selected from the group consisting of an ethylene containing polymer, the first component present in an amount by weight of the film from about 50% to about 95%, the first component having a first melting point temperature determined by DSC;

the ~~a~~ second component not readily cross-linkable and selected from the group consisting of propylene containing polymers and methyl pentene containing polymers, the second component being present in an amount by weight of the film from about 50% to about 5%, the second component having a second melting point temperature determined by DSC; and a portion of the first component being cross-linked and the second component is essentially free of cross-linking.

Claim 146 (previously presented): The film of claim 145, wherein the second melting point temperature is higher than the first melting point temperature.

Claim 147 (previously presented): The film of claim 145 is capable of forming a peel seal to itself when heated to above the first melting point temperature but below the second melting point temperature.

Claim 148 (previously presented): The film of claim 147 is capable of forming a permanent seal to itself when heated above the second melting point temperature.

Claim 149 (previously presented): The film of claim 145 is capable of being sterilized by steam at a temperature from about 100°C to about 130°C.

Claim 150 (previously presented): The film of claim 146, wherein a peel seal heat sealing window is defined between a range of temperatures existing between the first melting point temperature and the second melting point temperature.

Claim 151 (previously presented): The film of claim 150, wherein the peel seal heat sealing window includes at least one temperature point within a range of temperatures suitable for steam sterilization.

Claim 152 (previously presented): The film of claim 150, wherein the peel seal heat sealing window includes at least one temperature point within the range of from about 75°C to about 135°C.

Claim 153 (previously presented): The film of claim 145 is capable of forming a peel seal with itself that is capable of adhesive release.

Claim 154 (previously presented): The film of claim 145, wherein the ethylene containing polymer is selected from the group consisting of: ethylene homopolymers, and ethylene copolymers.

Claim 155 (previously presented): The film of claim 154, wherein the ethylene copolymer is obtained by reacting ethylene with a comonomer selected from the group

consisting of:  $\alpha$ -olefins, vinyl esters, vinyl carboxylic acids, alkyl substituted vinyl esters, alkyl substituted vinyl carboxylic acids, acrylic acids, ester derivatives of acrylic acids, alkyl substituted acrylic acids, ester derivatives of alkyl substituted acrylic acids and ion stabilized alkyl substituted acrylic acids.

Claim 156 (previously presented): The film of claim 155, wherein the ethylene and  $\alpha$ -olefin copolymer has a density of less than about 0.915 g/cc.

Claim 157 (currently amended): The film of claim 156, wherein the ethylene copolymer is ~~obtained using a single-site catalyst~~ single-site catalyzed ethylene copolymer.

Claim 158 (previously presented): The film of claim 145, wherein the propylene-containing polymer is selected from the group consisting of propylene homopolymers and propylene copolymers.

Claim 159 (previously presented): The film of claim 158, wherein the propylene containing polymer has a modulus of elasticity of less than about 200,000 psi.

Claim 160 (previously presented): The film of claim 145, wherein the first component is a blend of ethylene containing polymers.

Claim 161 (currently amended): The film of claim 145, wherein the second component is ~~a blend~~ selected from the group consisting of at least one propylene-containing polymer, at least one methyl-pentene-containing polymer, and at least one propylene-containing polymer, ~~and at least one methyl-pentene-containing polymer,~~ and combinations thereof.

Claims 162-178 (canceled)

Claim 179 (new): A method for forming a container with a seal comprising:  
providing a first film and a second film, each film composed of a first component and a second component, the first component selected from the group consisting of an ethylene

containing polymer, the first component present in an amount by weight of the film from about 50% to about 90%, the first component having a first melting point temperature, the second component selected from the group consisting of propylene containing polymers and methyl pentene containing polymers, and combinations thereof, the second component present in an amount by weight of the film from about 50% to about 5%, the second component having a second melting point temperature;

crosslinking at least a portion of the first component; and

heat sealing the first film to the second film to form the container.

Claim 180 (new): The method of claim 179 wherein the heat sealing further comprises heating the first and second films to a heat sealing temperature higher than the first melting point temperature and lower than the second melting point temperature and forming a peelable seal.

Claim 181 (new): The method of claim 180 wherein the heat sealing temperature is from about 75°C to about 135°C.

Claim 182 (new): The method of claim 180 wherein the peelable seal has a strength from about 3N/mm to about 50N/mm.

Claim 183 (new): The method of claim 180 further comprising adhesively releasing the peelable seal.

Claim 184 (new): The method of claim 179 wherein the heat sealing further comprises heating the first and second films to a heat sealing temperature higher than the second melting point temperature to form a permanent seal.

Claim 185 (new): The method of claim 179 further comprising steam sterilizing the container at a temperature from about 100°C to about 130°C.

Claim 186 (new): The method of claim 184 wherein the container withstands the steam sterilizing.

Claim 187 (new): The method of claim 179 wherein the ethylene containing polymer is selected from the group consisting of ethylene homopolymers and ethylene copolymers.

Claim 188 (new): The method of claim 179 further comprising reacting ethylene with a comonomer selected from the group consisting of  $\alpha$ -olefins, vinyl esters, vinyl carboxylic acids, alkyl substituted vinyl esters, alkyl substituted vinyl carboxylic acids, acrylic acids, ester derivatives of acrylic acids, alkyl substituted acrylic acids, ester derivatives of alkyl substituted acrylic acids and ion stabilized alkyl substituted acrylic acids, and combinations thereof to form the ethylene containing polymer.

Claim 189 (new): The method of claim 188 wherein the ethylene and  $\alpha$ -olefin copolymer has a density of less than about 0.915 g/cc.

Claim 190 (new): The method of claim 179 wherein the ethylene containing polymer is a single-site catalyzed ethylene copolymer.

Claim 191 (new): The method of claim 179 wherein the propylene-containing polymer is selected from the group consisting of propylene homopolymers and propylene copolymers.

Claim 192 (new): The method of claim 179 wherein the propylene containing polymer has a modulus of elasticity of less than about 200,000 psi.

Claim 193 (new): The method of claim 179 wherein the first component is a blend of ethylene containing polymers.

Claim 194 (new): The method of claim 179 wherein substantially no portion of the second component is crosslinked.